



**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

# 10500 MHz Suspended Stripline High Pass Filter

**Part Number: AE10500SSH6606**



## Electrical Specifications

**Cut Off Frequency:** 10.5GHz  
**Pass Band Frequency:** 10.5~40GHz  
**Pass Band Insertion Loss:**  
 $\leq 2.0\text{dB}$  @ 10.5~11.3GHz  
 $\leq 1.0\text{dB}$  @ 11.3~40GHz  
**Pass Band VSWR:**  
 $\leq 1.6:1$  @ 10.5~20GHz  
 $\leq 1.8:1$  @ 20~40GHz  
**Stop Band Attenuation:**  $\geq 50\text{dB}$  @ DC~9.1GHz  
**Impedance:** 50 Ohms  
**Power Handling:**  $\leq 15\text{W}$

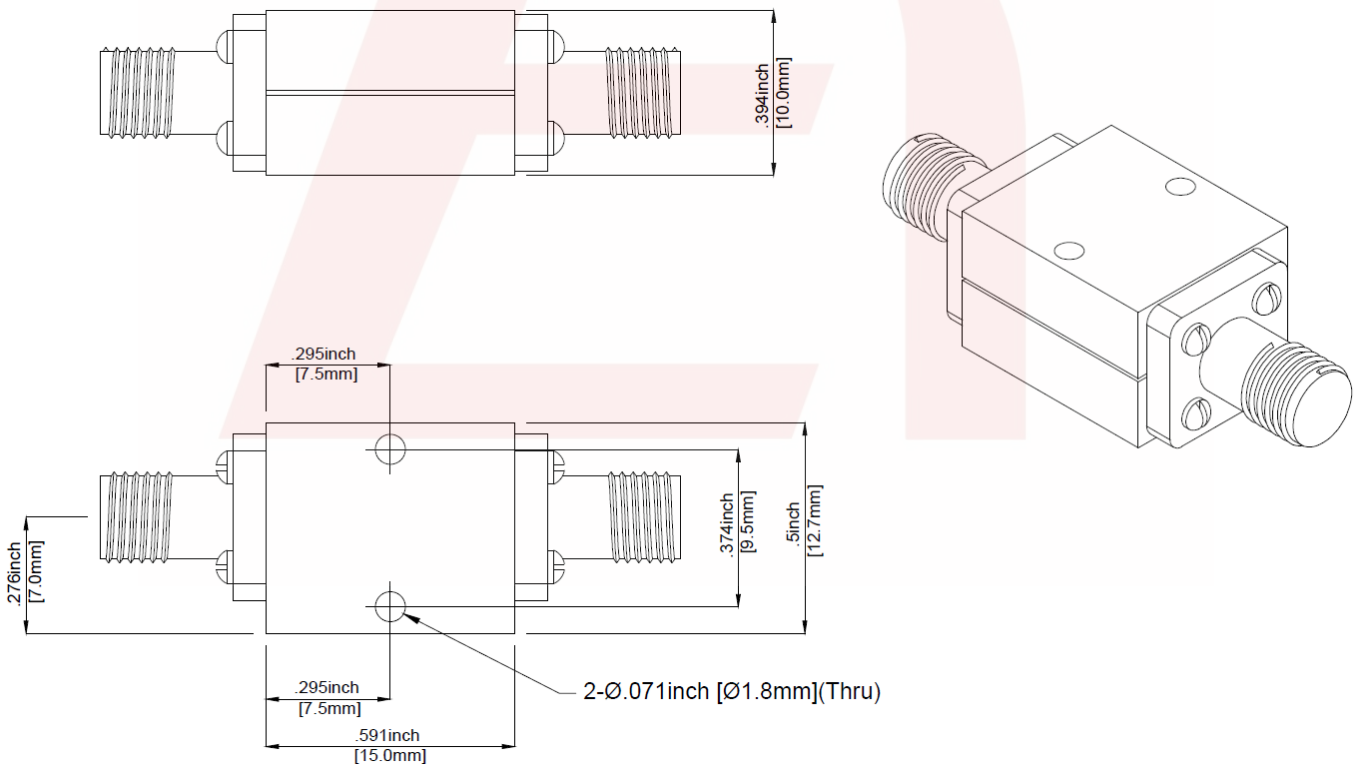
## Mechanical

**Mounting Method:** Through Holes  
**Connector Type:** 2.92mm Female  
**Dimensions:** 15.0 x 12.7 x 10.0 mm

## Environmental

**Operating Temperature:**  $-45^{\circ}$  to  $+85^{\circ}$  C  
**Storage Temperature:**  $-55^{\circ}$  to  $+95^{\circ}$  C  
**Shock:** 20 G. 11ms  
**Vibration:** 20 G. 5 to 200 Hz

## Outline Drawing:



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